

Title (en)

A US-OS characteristic control system for a vehicle responding to turning state quantity and the changing rate thereof.

Title (de)

Steuersystem, das auf die Grösse der Drehlage und deren Änderungsgeschwindigkeit reagiert, für die Regelung der Untersteuer-/Übersteuercharakteristik eines Fahrzeugs.

Title (fr)

Système de réglage de la caractéristique de sous-virage-survirage d'un véhicule, répondant à une variable d'état de virage et sa vitesse de changement.

Publication

**EP 0376306 A1 19900704 (EN)**

Application

**EP 89124074 A 19891228**

Priority

JP 33104188 A 19881228

Abstract (en)

In a system for controlling the US-OS characteristic of a vehicle having front and rear suspensions, a device for changing the US-OS characteristic is provided which is adapted to alter the roll stiffness distribution between the front and the rear suspensions. A turning state quantity is detected and the changing rate of a turning state quantity is determined. A control device is further provided which is adapted to respond to the turning state quantity and the changing rate of the turning state quantity, and to control the US-OS characteristic changing device so that the higher the changing rate of the turning state quantity is, the more the US-OS characteristic may be shifted toward higher over-steer, and for the same changing rate the higher the turning state quantity is, the more the US-OS characteristic may be shifted toward higher under-steer.

IPC 1-7

**B60G 17/01**

IPC 8 full level

**B60G 17/015** (2006.01); **B60G 17/016** (2006.01); **B60G 17/017** (2006.01)

CPC (source: EP US)

**B60G 17/016** (2013.01 - EP US); **B60G 17/017** (2013.01 - EP US); **B60G 2202/15** (2013.01 - EP US); **B60G 2204/80** (2013.01 - EP US); **B60G 2400/104** (2013.01 - EP US); **B60G 2400/106** (2013.01 - EP US); **B60G 2400/20** (2013.01 - EP US); **B60G 2400/204** (2013.01 - EP US); **B60G 2400/252** (2013.01 - EP US); **B60G 2400/30** (2013.01 - EP US); **B60G 2400/38** (2013.01 - EP US); **B60G 2400/41** (2013.01 - EP US); **B60G 2400/50** (2013.01 - EP US); **B60G 2400/51** (2013.01 - EP US); **B60G 2400/73** (2013.01 - EP US); **B60G 2500/10** (2013.01 - EP US); **B60G 2500/20** (2013.01 - EP US); **B60G 2500/30** (2013.01 - EP US); **B60G 2600/04** (2013.01 - EP US); **B60G 2600/08** (2013.01 - EP US); **B60G 2600/12** (2013.01 - EP US); **B60G 2600/14** (2013.01 - EP US); **B60G 2600/16** (2013.01 - EP US); **B60G 2600/20** (2013.01 - EP US); **B60G 2600/602** (2013.01 - EP US); **B60G 2600/68** (2013.01 - EP US); **B60G 2600/70** (2013.01 - EP US); **B60G 2800/012** (2013.01 - EP US); **B60G 2800/014** (2013.01 - EP US); **B60G 2800/22** (2013.01 - EP US); **B60G 2800/244** (2013.01 - EP US); **B60G 2800/246** (2013.01 - EP US)

Citation (search report)

- [A] EP 0106697 A1 19840425 - TOYO KOGYO CO [JP]
- [A] EP 0236947 A2 19870916 - TOYOTA MOTOR CO LTD [JP]
- [A] EP 0246655 A1 19871125 - NISSAN MOTOR [JP]
- [A] PATENT ABSTRACTS OF JAPAN, vol. 12, no. 241 (M-716)[3088], 8th July 1988; & JP-A-63 31 810 (TOYOTA MOTOR CORP.) 10-02-1988
- [AD] PATENT ABSTRACTS OF JAPAN, vol. 12, no. 52 (M-668)[2899], 17th February 1988; & JP-A-62 198 511 (NISSAN MOTOR CO. LTD) 02-09-1987

Cited by

EP0827852A3; EP0835189A4; FR2701902A1; EP0420285A3; CN113173044A; US6338014B2; FR2895314A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0376306 A1 19900704**; **EP 0376306 B1 19950308**; DE 68921589 D1 19950413; DE 68921589 T2 19950727; JP 2508830 B2 19960619; JP H02175404 A 19900706; US 5013062 A 19910507

DOCDB simple family (application)

**EP 89124074 A 19891228**; DE 68921589 T 19891228; JP 33104188 A 19881228; US 45932589 A 19891229